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An Investigation Into the Graininess of Developed Photographic Emulsions, III. Effect of the Composition of the Developer and of the Sensitometric Standards of Development Upon Graininess, by G. G. Bagayeva, Yu. N. Gorokhovskiy, T. M. Levenberg, 28 pp.

RUSSIAN, per, Uspekh Nauch Fotograf, Vol IV, 1955, pp 241-262.

CIA/PID XX-515

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Physics
Oct 58

NLL M.2572

IAC INTERNAL USE ONLY

74,057.

Payerman, G. P. and Simkins, A. B.
INVESTIGATION OF 5-METHYL-7-HYDROXY-8-
TRIAZOLO [1,5-a] PYRIMIDINE ("STA"-SALT) AND
ITS REACTIONS WITH SILVER IONS AND SILVER
BROMIDE. [1961] 14p.
Order from ATS \$20.85

ATS-95N50R

Trans. of Uspekhi Nauch(noy) Pod(ografii) (USSR)
1957, v. 5, p. 81-94.

DESCRIPTORS: *Pyrimidines, Chemical reactions,
*Silver, *Ions, *Silver compounds, Metals, *Bro-
mides, Methyl radicals, *Azoles.

KJ-3127

(Chemistry--Physical, TT, v. 6, no. 1)

61-22364

I. Title: "Sta"-salt
I. Payerman, G. P.
II. Simkins, A. B.
III. ATS-95N50R
IV. Associated Technical
Services, Inc.,
East Orange, N. J.

161854

Office of Technical Services

Rates of Reduction of Silver Bromide and Silver
Salts of Photographic Stabilizers, by
G. P. Fayerman, A. P. Pletnev.
RUSSIAN, per, Usp Nauch Fotogr, Ak Nauk SSSR,
Otd Khim Nauk, Vol 5, 1957, pp 114-126.
ATS RJ-5207

Sci-Chem
July 69

385,753

Wetting Agents in the Emulsion-Support System During
Coating of Photographic Emulsions, by S. M. Levi,
O. K. Smirnov, 16 pp.

RUSSIAN, per, Uspekhi Nauch Fotograf, Vol V, 1957,
pp 182-192.

CIA/FDD XX-855

DSIR LL4 m-0310 (LOHN)

Sci - Phys

Aug 60

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Vodovarov, B. M. and Epshtein, M. L.
SPECTRAL CHARACTERISTICS OF FLASHTUBES.
[1964] 15p 6reds
Order from OTS, SLA, or ETC \$1.60 TT-64-10981

Trans. of Uspekhi Nauchnoi Fotografii (USSR) 1959,
v. 6, p. 35-42.

(Materials--Photographic, TT, v. 11, no. 12)

TT-64-10981

I. Vodovarov, B. M.
II. Epshtein, M. L.

Office of Technical Services

Light Source for a High-Speed Cine-Camera, by
N. N. Ogurtsova, I. V. Podmoshenskiy.

RUSSIAN, per, Uspekhi Nauch Fotograf,
Vol VI, 1959, pp 58-61.

NLL RTS 2273
(loan copy)

Jul 64

Methods for the Practical Production of Optical
Raster Gratings (Lattices) for High-Speed Filming,
by L. V. Akinakina.

RUSSIAN, per, Uspekhi Nauch Fotografii, Vol VI,
1959, pp 152-154.

NLL N.4503

Sci - Phys

193, 761

May 62

Spectral Characteristics of Flashtubes, by
B. M. Vodovarov, M. I. Epshtain, 15 pp.
RUSSIAN, per, Uspekhi Nauch Foto, Vol VII, 1959,
pp 35-42.

CIA/FED XX-1506
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Sci - Phys
Mar 64
USIB Internal Use Only

252,261

NAL RES: 5828.4 1964 (10, 495)
(LIDAN COPY)

The Nature and Formation of Photographic Sensitivity
(With Reference to the Mitchell Theory), by K. V.
Chibisov, 19 pp.

RUSSIAN, per, Uspekhi Nauch Fotograf, Vol VII, 1960,
pp 3-24.

CIA/FDD XX-1151

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Sci

Also ATS-79N51R

\$29.75

May 62

USIB INTERNAL USE ONLY

Chibisov, K. V.

THE NATURE AND FORMATION OF PHOTOGRAPHIC
SENSITIVITY (WITH REFERENCE TO THE
MITCHELL THEORY). [1961] 19p.
Order from ATS \$29.75

ATS-79N51R

Trans. of Uspekhi Nauch[noy] Fot[ografii] (USSR) 1960,
v. 7, p. 3-24.

DESCRIPTORS: *Photographic emulsions, Sensitivity.

(Materials--Photographic, TT, v. 6, no. 4)

61-22927

- I. Title: Mitchell theory
- I. Chibisov, K. V.
- II. ATS-79N51R
- III. Associated Technical
Services, Inc., East
Orange, N. J.

ATS/RJ-3048

177758

Office of Technical Services

Sheberstov, V. I.
AGEING PROCESSES AND THE STABILIZATION OF
PHOTOGRAPHIC FILMS. [1962] 43p. (4 figs. omitted)
89 refs.

Order from OTS or SLA \$4.60

62-14465

Trans. of Uspekhi Nauch[not] Fot[ografi] (USSR) 1960,
v. 7, p. 25-49.

DESCRIPTORS: *Photographic film, Stabilization,
*Aging, Light, *Sensitivity, *Photographic emulsions,
Silver compounds, Bromides, Organic compounds.

A survey.

(Materials--Photographic, TT, v. 8, no. 6)

62-14465

I. Sheberstov, V. I.

OTS 62-16521

Office of Technical Services

Aging of Photographic Emulsions (and Quantity of Illumination at the Exposure, by S. M. Solov'yev, V. A. Dmitrieva, 9 pp.

RUSSIAN, per, Uspekhi Nauchnoy Fotografii, No 7, 1960, pp 50-56.

CIA/FID XX-1361
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Sci - Physics
May 63
USIB Internal Use Only

229,116

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Moshkovskii, Yu. Sh.
THE EFFECT OF CHEMICAL SENSITIZATION ON
THE SENSITIVITY OF PHOTOGRAPHIC EMULSIONS
AT LOW LIGHTING INTENSITIES. [1962] 12p. (5 figs,
3 tables omitted) 11 refs.
Order from OTS or SLA \$1.60

62-14464

Trans. of Uspekhi Nauch[nol] Fotografii (USSR) 1960,
v. 7, p. 77-86.

DESCRIPTORS: *Photographic emulsions, Sensitivity,
Light, Intensity, Photographic chemicals,
Photosensitivity

With an increase of the degree of chemical ripening,
there is a decrease in the amount of deviation from the
law of photographic reciprocity at low intensities. The
introduction of hydrazine sulfate into the photographic
emulsion leads to a considerable decrease in the
(Materials--Photographic, TT, v. 9, no. 5) (over)

62-14464

I. Moshkovskii, Yu. Sh.

Office of Technical Services

The Role of Rhodan Ions in Chemical Sensi-
tizing of Photographic Emulsions With Gold,
by I. R. Protas, Yu. A. Krakau, 15 pp.

RUSSIAN, per, Uspekhi Nauchnoy Fotografii,
Vol VIII, 1960, pp 87-95.

CIA/PDD XX-1863
No Foreign Dissem

Sci - Physics

May 63

USIB Internal Use Only

229,118

Photographic Properties of Sodium Thiosulfate on
With Gold, by I. A. Novikov, I. S. Gafurova,
12 pp.

RUSSIAN, per, Uspekhi Nauchnoy Fotografii, Vol VII⁸,
1960, pp 96-102.

CIA/FDD XX-11165
No Foreign Dissem

Sci - Physics
May 63
USIS Internal Use Only

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Variation in the Degree of Dispersion of Fine-Grain
Emulsions During Chemical Ripening, by I. A. Novikov,
5 pp.

RUSSIAN, per, Uspekhi Nauch Fotografi, Vol VII,
1960, pp 103-108.

CIA/PDD XX-1087
NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

173.406

Nov 61.

USIB INTERNAL USE ONLY

Continuous Processes of Synthesis of Photographic Emulsions, by N. I. Kirillov, Yu. G. Chikishev, V. L. Zelikman, 6 pp.

RUSSIAN, per, Uspekhi Nauch Fot, Ak Nauk SSSR, Otdel Tekh Nauk, Vol VII, 1960, pp 109-114.

CIA/FDD XX-1095

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

ATS-66N52R

Jan 62

SLA 62-14468

USIB INTERNAL USE ONLY

ATS / NJ-2969

Gelatin Concentration During the First Ripening, by
V. L. Zelikman, E. B. Kondrat'yeva, 5 pp.

RUSSIAN, per, Uspekhi Nauch Fotograf, Vol VII, 1960,
pp 115-119.

CIA/FDD XX-1046

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem

ATS-65N52R 166,458
ATS/RT-2969

Sep 61

USIB INTERNAL USE ONLY

Levi, S. M.
MODERN CONCEPTS OF GELATIN STRUCTURE (A
LITERATURE SURVEY). [1961] 13p.
Order from ATS \$19.00

ATS-64N52R

Trans. of Uspekhi Nauch[noi] Fot[ografi] (USSR) 1960,
v. 7, p. 120-133.

DESCRIPTORS: *Gelatin, Molecular structure.

61-25072

I. Levi, S. M.
II. ATS-64N52R
III. Associated Technical
Services, Inc.,
East Orange, N. J.

176732

Office of Technical Services

(Chemistry--Physical, TT, v. 6, no. 6)

Levi, S. M.
MODERN CONCEPTS REGARDING THE RHEOLOGICAL PROPERTIES OF GELATIN SOLUTIONS AND PHOTOGRAPHIC EMULSIONS. 1961, 11p.
Order from CTT \$22.00 CTT-61K108

Trans. of Uspekhi Nauchnoi Fotografii (USSR) 1960, v. 7, p. 137-149.

DESCRIPTORS: *Photographic emulsions, *Gelatin, Solutions, Plastic flow, Deformation.

(Materials--Photographic, TT, v. 8, no. 1)

62-12979

- I. Levi, S. M.
- II. CTT-61K108
- III. Columbia Technical
Translations, White
Plains, N. Y.

Office of Technical Services

Search for Ways of Improving the Structural-Mechanical Properties of Photographic Emulsions for Nuclear Research, by V. M. Uvarova, V. A. Myl'tseva, 11 pp.

RUSSIAN, per, Uspekhi Nauch Fotograf, Vol VII, 1960, pp 150-160.

CIA/FID KX-1047

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Nuclear Phys

166,451

Sep 61

CTT-611104

USIE INTERNAL USE ONLY

Zelikman, V. L.
METHODS FOR HARDENING PHOTOGRAPHIC
EMULSIONS: LITERATURE REVIEW. [1962] 14p.
73 refs.
Order from OTS or SLA \$1.60

62-10977

Trans. of Uspekhi Nauchnoi Fotografii (USSR) 1960,
v. 7, p. 161-169.
Another trans. is available from OTS or SLA \$1.60
as 62-14466 [1962] 17p.

DESCRIPTORS: *Photographic emulsions, Hardening,
Photographic chemicals, Organic compounds.

NAL M8939

(Materials--Photographic, TT, v. 8, no. 5)

62-10977

I. Zelikman, V. L.

Office of Technical Services

Borin, A. V.
INVESTIGATION OF THE CONCENTRATION EFFECT
IN OPTICAL SENSITIZATION OF PHOTOGRAPHIC
EMULSIONS. [1961] 8p.
Order from ATS \$14.50 ATS-88N52R

Trans. of Uspekhi Nauch[noi] Fot[ografi]i (USSR) 1960,
v. 7, p. 163-170.

-170

DESCRIPTORS: *Photographic emulsions, Sensitization.

61-25066

I. Borin, A. V.
II. ATS-88N52R
III. Associated Technical
Services, Inc.,
East Orange, N. J.

176727

Office of Technical Services

(Materials--Photographic, TT, v. 6, no. 6)

The Action of Wetting Agents in Mixtures and With
Multilayer Coatings, by S. M. Levi, 11 pp.

RUSSIAN, per, Uspekhi Nauch Fotogr, Vol VII, 1960,
pp 170-177.

NLL M.4502
CIA/FDD XX-1098

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Sci - Chem

SLA 62-14467

Jan 62

SLA 6-20276
178, 409

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Investigation of the Concentration Effect in Optical
Sensitization of Photographic Emulsions, by A. V.
Borin, 8 pp.

RUSSIAN, per, Uspekhi Nauch Fotograf., Adad Nauk SSSR,
Otdel Khim Nauk, Vol VII, 1960, pp 183-190.

CIA/FDD XX-1048

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

ATS/RJ-2967

166, 453

Sep 61

A Study of the Reaction of Merocyanines With Silver
Ions in Solution, by K. I. Pokrovskaya, 9 pp.

RUSSIAN, per, Uspekhi Nauch Fotograf, Ak Nauk SSSR,
Otdel Khim Nauk, Vol VII, 1960, pp 191-200.

CIA/FDD XX-1150
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\$11.50

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May 62
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